

7530-00-222-3521

7530-00-222-3521  
FEDERAL SUPPLY SERVICE  
(GPO)

This Book belongs to:

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Dept. Zoological Research

National Zoo

Washington, D.C.

2008

672-4781

Lot 5  
20753

1. May clear & cool leafy bds  
openings on canopy oaks & understory  
saplings. - leaves long out on Tulip  
Trees. ✓

I had to tip & crowd  
white & blue titm. & grise below  
upper parking lot. found bird 3  
new to site - 1. it feed  
20 times from oak leaflet clusters - ✓  
mainly by glancing by 2-3 sideways pectoral.

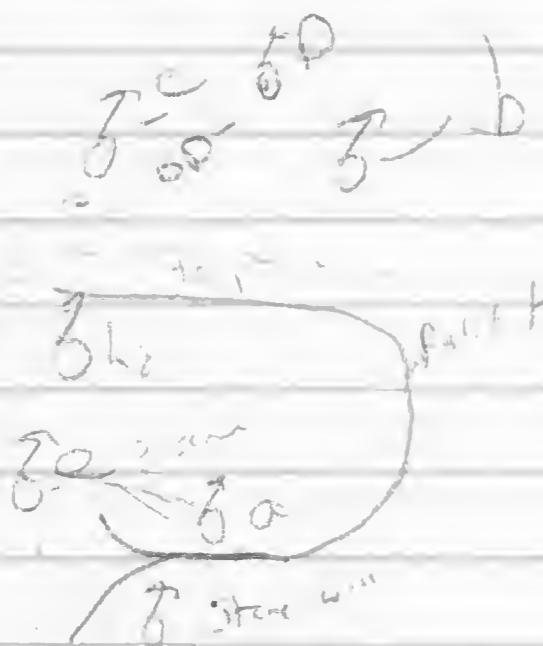
In flocks of YRW - hd  
BtL Warbler, Sm & Ld ovenbirds &  
Louisiana Waterthrush.

2 May Smoothly sunny  
started at bottom of hill

at 20' stone wall several  $\frac{1}{2}$  y.o. L.E.W.  
(on a chair)

- 10 0.5 lb green (medium)
- 2 0.5 lb green
- 3 0.5 lb tan over
- 1 3" dcl pick (medium)

found  $\approx$  10 feet  $\rightarrow$  3' w.p.



b 3 30-40 6" 1b x 3

1b decades x 2  
1b green br. x  
5" x 1

c 3d cwk 1b sl x 5

1b br x 2

⊕

green sand  
green p. 11m

dark, tan over

green, tan over

6-10' foliage

D. 1b gl x 3, brush pcr, easiest brnc

prune green  
brush ⊕

just sing alow  
brush

low, tan pcr, fully brushy

8" h. 1b, 1b buttons x 2

5" Dcl lct pick

2" scrub

3" scrub pcr

a 2 10-12' 6" 8" 1b sl 0.5

6" m. 2"

2010 m - - 100+

1-7-11

2010 m - - 100+

water

100 meters

My 6 Licker helo P.M 10+

shot.

50

50

80

100,1

50

♂ - got into third line on ground - ate

black pabu

6 h 11.1 x 2-3

✓ a ♀  
female

50 long 16

50

50

50

50

♂ 1h per 6 m - thin skin on ground ✓

long green

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

20

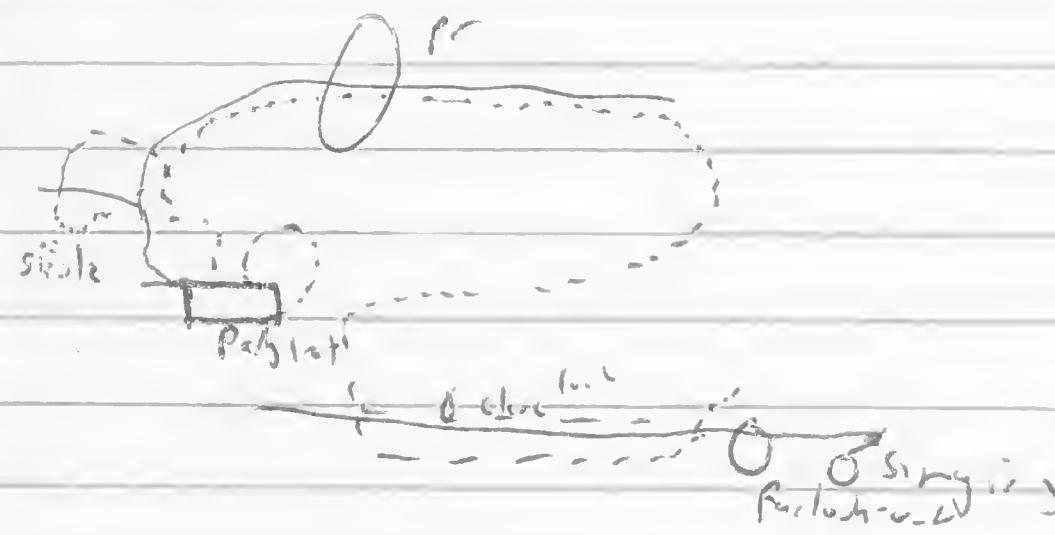
75

0/4

6 May 9-1300 Rainy & cloudy

Croop, Oaks & still only beginning to  
leaf out - underlying Maples & Oaks  
with 2-3" l.c. flets.

I covered the following route



some of the O-h leaves belonged  
to underlying shrubs & went partially  
rotted. (dead but attached)

Single on Hove trail 7 x O-h flower proto  
35'

♂ at Lookout 10 x 1h glam new  
O-h leaf clusters 25' ✓

Collected 100 different b/w P-1+1

I encountered 2 birds tapping O-h  
across from each other underlying B. No  
Cassia was probably w/ a pair  
1st bird 2 found no buds but smaller.

First no buds dead leaf + bark probing -  
no foliage seen O-5'

First bird 5 O-h leaf clusters 3-4"  
dead leaf 1 Big M. pr. (clusters 6-7" ✓  
1 small cluster  
2-3 bracts

2nd bird 3-4 O-h leaf clusters -  
nothing green - all proto (no lvs -  
+ no macro)  
form)

3 May

930-130

I checked for stop after Road

✓

for an hour or two

For

my turn to 13 new

in distance

I then went by 5th trial

1 hour 4-8.

Lot



4 1 2

100% a

b

c

Forging

a. Ductile forge  $\rightarrow$  10 all back + one  
small ✓

lose check - charg - no

unpublished

(Actual last velocity)

11 pm (by) x 7 bright lamp + 3 ✓

b. Ductile forge (L<sub>0.1</sub>) ✓

alt) went into a good test  
first 2 shots

c. (by) x 7 - On (very small test) ✓

end of b, back probe  $\rightarrow$  3

alt) 1 pm good test  
first x 3

b. 1 - 100% ductile shot x 20 ✓

small at 2 (0 0)

✓

(1, 2, 3) all as probe

Line 1: 6 miles May 4

up - Rd 100

for

1/50 2mm heagrd

3mm larger (blue) - 2

1mm heagrd

1/51 3 x 3-4mm bl. L

1.5-2mm bl.

3mm bl. L, bl. L

1/52 1mm bl. L

1/53 1mm bl. L

1/54 1mm bl. L

1/55 1mm bl. L

1/56 1mm bl. L

1/57 1mm bl. L

1/58 3 x 3mm bl. L 1b

3mm bl. L

1/59 3mm bl. L

1/60 3mm bl. L

1/61 3mm bl. L

1/62 3mm bl. L

1/63 3 x 3mm bl. L 1b

3mm bl. L

1/64 2 x 3mm bl. L

1/65 2 x 2mm bl. L

Line 1

50 3mm

1/66 1b

1/67 1b

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

soil

50 1.5-2mm bl. L

50

50 3mm bl. L

50

50

50

50

50 1mm bl. L

50

50 1.5-2mm bl. L

50

50

50

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50

50

50

50

50

50

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soil

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21 May 1030-1530 overcast &  
windy

WBW #2 - 25' in oak - 1bgt x 10  
branch probe & all  
glares

Europ. trees still have small leaves &  
with cold temperature & wind so  
the Mountain top felt walkable - and  
few birds singing (few migrants) I  
saw only 2 WBW - with bush 2  
covered low areas!

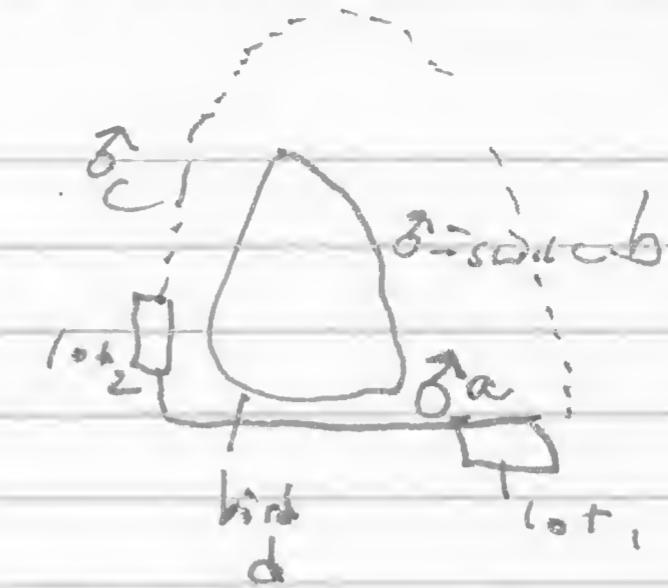
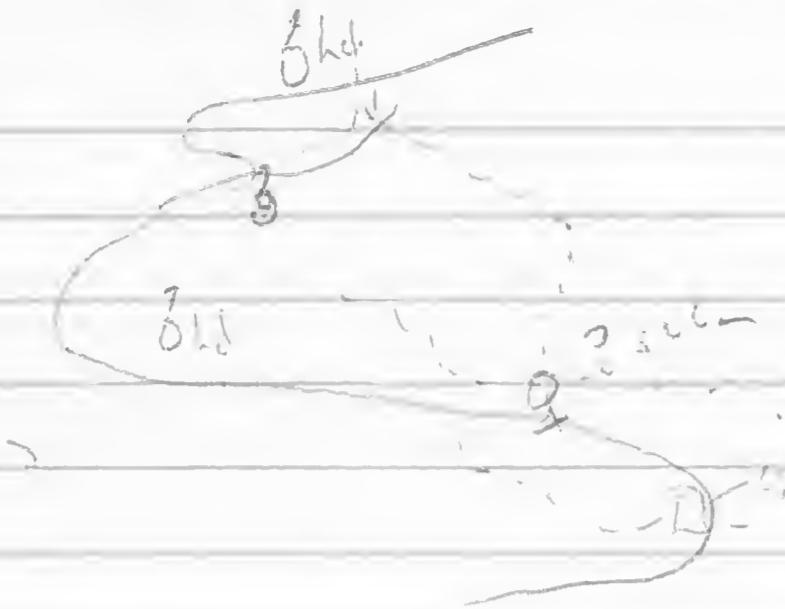
thin fl - to sparrow  
nest made of dried oak leaves  
it found few leaves on the  
edge of the sparrow nest (PL x 10)



The sparrow was at the edge of the  
bush - up

low #1 singing few times - fed low  
in bush - on or near ground - pointing into chest ✓  
Indistinct 4-5 times

May 10



Q Watched for 5-10 min (e.g.) ✓  
Spotted in shrubs.  
Lb gl x 20-30 2 (big) when (10')  
marked 6.61, Dec 19th 1994 10' plus

10 feet up (4 pines, 2 big, 0 small)  
all up there

I hiked around top of mt. +

hd or size 4 LEB - 3 min

size 3



forests on b c d

b - 1b gl x 3 30' in oak ✓

c 1b gl x 8 hgt x 2 in oak ✓  
grabbed onto root cluster with feet  
also grabbed probe to damage  
several times + scratched  
down edge

d 1b gl x 8 - also probes into damage  
behavior x 1 brook +  
two pressed together  
(caves)

May 5 (cont)

6 x 3mm spider  
2 x 5mm spider  
6 x 4mm  
1 x 7mm

2.5 x 4mm caterpillar (beamish)

1/10 + 2 cm Halcidid bee



28 + 3mm spider

4 x 4mm spider

1.5 cm thin centipede

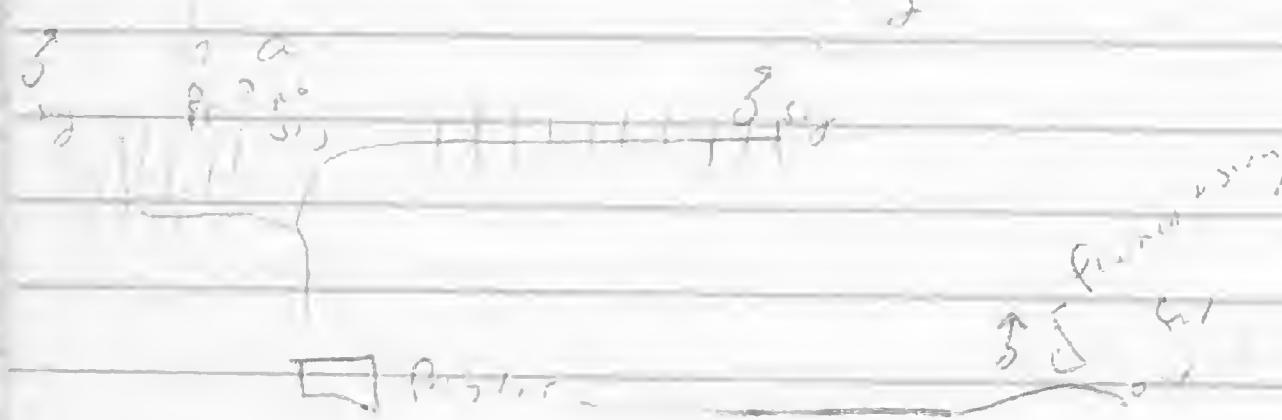
0/11 predators

May 9 collection

31 and to  
da

May 11 900-1400

① ~~increasing~~ up to 200  
checked all lower slopes.



35.  $1b_{35} \times 5$  3 successive locations ✓

25  
 $b_2$   $1b_{25}$  next peak (2 + 5 divisions)  
single line ✓

35. thinnest 0.02

35. tip to ground in blocks

2. D-K probe on 2 m blocks  $\times \approx 10$  ✓

1. up to length 10  $1b_{35}$  -

1. 1 pm from 5 fm not enough  
checked

May 11 Liverwort census

shrub

haunch

1	50	
2	50	
3	50 (4mm green pilly b)	50
4	50 (2mm bluish pilly)	50
5	50 (long green pilly)	50
6	50 (4mm bluish pilly)	50
7	50 (6mm green pilly)	50
8	50 (3mm green pilly)	50
9	50 (2.5mm green pilly)	50
10	50 (2mm 1.5cm long)	50
11	50 (2mm 1.5cm long)	50
12	50 (2x 4mm bluish)	50
13	50 (silver 1.5cm)	50
14	50	50
15	50 (3mm bluish b)	50
16	50 (6mm bluish pilly b)	50
17	50 (2mm bluish 2x 2cm long b)	50
18	50 (6mm bluish pilly b)	50
19	50 (1cm bluish pilly b)	50
20	50	50
21	50	50
22	50	
23	50 (6mm bluish b)	
24	50 (1m with float)	
25	50 (1m pilly in soft leaf)	

May 13 830-1230

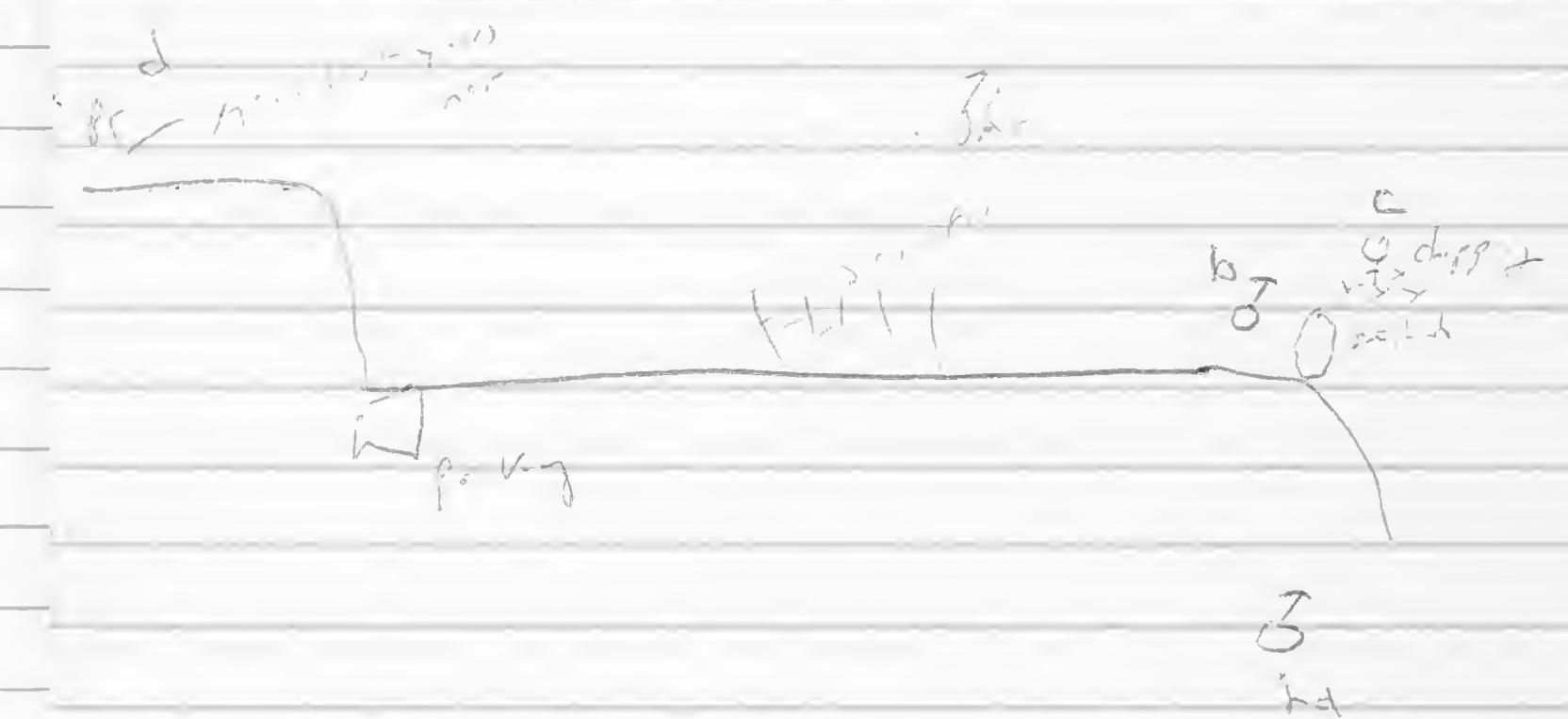
Beautiful Day!

lower slope

5a.m.



a only 1/3 sec - 1/2 - at probed  
cool others + 10 25' ✓



b - 1kg 18° 1h 20' 20' probe (break  
down - 2) 20'  
< 1h 10' x 3, 1h 20' x 25 + - small pilly ✓

—possibly  $Q$

d b.k probe x5 10<sup>-15</sup> ✓

May 14 830-1430 mostly  
cold, windy + overcast.

Q Under overbank was eating like  
crab & digging, w. f. [inhab.] ✓

1st along House Trail 8 gave (very) very  
few but birds chippings etc  
is following is not being

a bird mostly in understorey - 2  
saw it foraging on or near ground  
after flying about prob. into dead tree,  
on ground - back probe  $\times 2$  -  
 $\times 5$   
Dykes. height of small leafed plants  
(petiolate) + large ones - (sat sub-pinnate)  
 $\times 3-4$  went to lower part 10 ft x 5

b. Within 6ft + in for 40' - probably to  
birds low in laurel understory  
800 birds moved rapidly + stopped  
(mostly) - occasionally chipping.  
The bird picked or probed Dead leaves  
20-50 times (no bugs) - + scratched +  
eg. pied on the + sit up. br. probe  
water spout - 5 times

all out but for small  
holes in ground  
it probes bushes & low branches  
5-10 times - 0.5-1b gl x 2-3 (psu  
caterpillar form soil). - put at periods  
of holes - lot.

all out but for  
small  
holes

15 May 1:20 pm Hurstail Wing tpc

(1) Wren shrub (1-1)

- 1 50- 3mm hump 1b
- 2 50 2 x 2mm sphd 1b
- 3 50 3 x 3mm hump 1b
- 4 50 3mm hump 1b
- 5 50 3mm hump 1b 2 x 2mm sphd 1b
- 6 50 12 x 3mm sphd 1b
- 7 50 6mm sphd with 2-3mm hump 1b 2 x 3mm sphd 1b
- 8 50 2 x 2mm sphd 1b
- 9 50 3mm hump (2 1/2: 1b) 6mm sphd 1b
- 10 50 2 x 3mm hump 1b
- 11 50
- 12 50 5 x 3mm sphd 1b 20 x 2mm sphd
- 13 50
- 14 50
- 15 50 2 x 1mm sphd 1b
- 16 50
- 17 50 3 x 3mm hump 1b
- 18 50 5 sphd 1b
- 19 50
- 20 50
- 21 50 3 x 3mm hump 1b
- 22 50
- 23 50
- 24 50
- 25 50

16 May 930-1000

Windy, cloudy, cold

1 found slope below

Blue Rock, the Pecos River on  
the Rio Grande. I hiked

2 walking a game



L



Polymer

♂-battery



juv

000

17 May 930-1200

Windy & cold

1 found slope above all

some trees & bushes

in the shade

no birds at 1 am 2

big bird - do you think

10th aged - 2nd

bird as many others but 10

Necklace

level 5/15

1 50

2 50

3 50

4 50

5 00

6 50

7

8

9

10

11

12

13

14

15

16

17

18

19

20

May 9 ~~3 in + 1 pl. 3~~  
D. of Lava

2 cm. min (br. - -)

2 x 2 mm. sp. max

1 x 6 mm. sp. max

2/4

May 10<sup>th</sup>

Volcanic

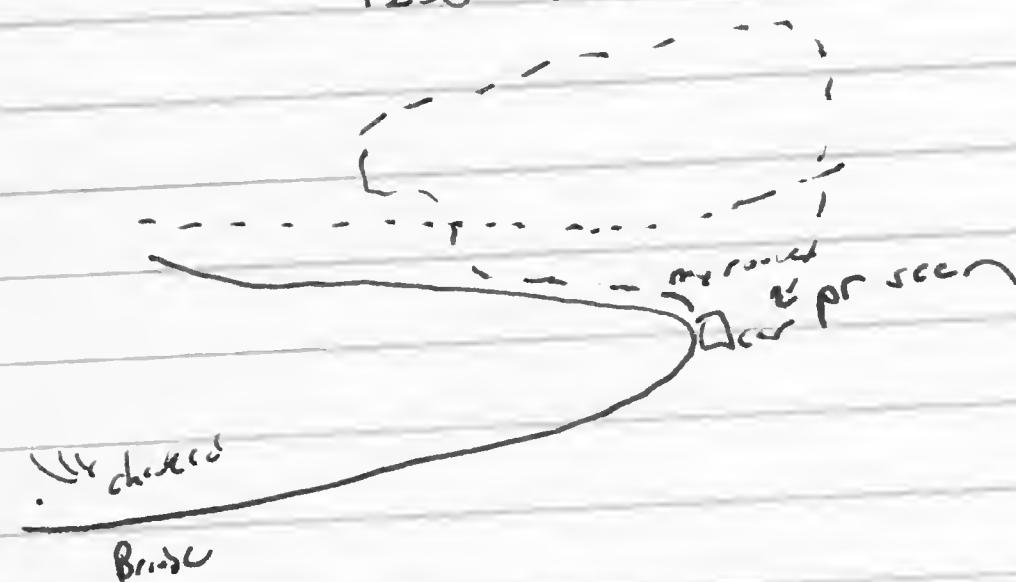
5 in. pl.

14 mm. max

0/3

17 May Sunny moderate, light wind.

1230 - 530



Pair clipping a lot = first  
flushed bird from shrub = 2-0  
One came in in oak crop -  
I saw bird in crop = 40  
minutes. but no ♀ indicates it's out.

30 lb glam oak, 21b hem (carib) ✓  
5 - bark probe (oak branch)  
5 lb glam Azalea > several pullings  
hopped on ground briefly

Then!

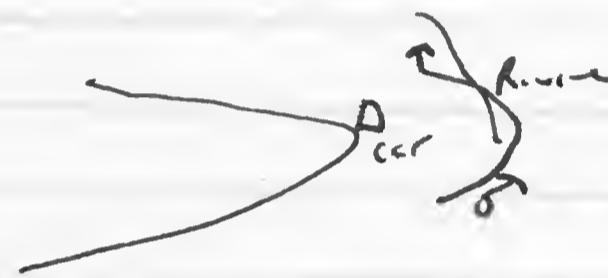
conversations from 10-  
11bgl x 3 = Azalea? ✓  
+ flock

Recent & present

10bgl + chipping  
1bgl in Oaks  
+ a few short  
trails by ♂

18 May Overlook - moderate - no  
wind

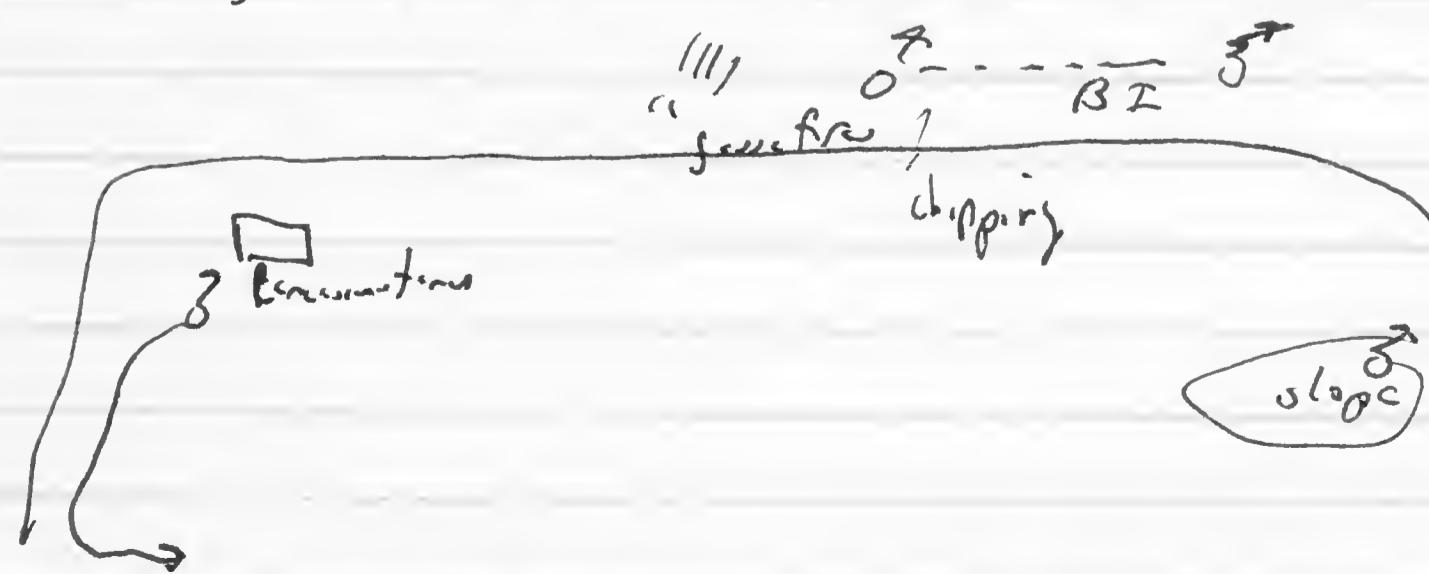
I checked first territory along  
road & found ♂ (Chest song)  
in oak canopy - 20+16 gleam 25'  
2x 16 hrs (natural) - picked up  
danger - got several pillows also ✓  
bulk probe x 5



no ♀ seen

checked along white tr. -

at 40' fence line stood ♂ singing 40'  
Oak 16 gleam x 20 hanc x 3  
Shrub 16 gleam x 10 - hopped on ground branch ✓  
hang on low branch (up)



♂ on far slope along white tr.  
was singing persistently - from low  
in understory - Oak 16 sl + 3 (15') ✓  
bed in shrub (1) - understory

I check slope between overlook &  
dover in + I had singing come  
out chirpy & fly towards overlook  
where I saw a chest (breast singing)  
Later I had more chirping on slope  
~~overlook~~

May 25 830-200

Warm + muggy. - light breeze

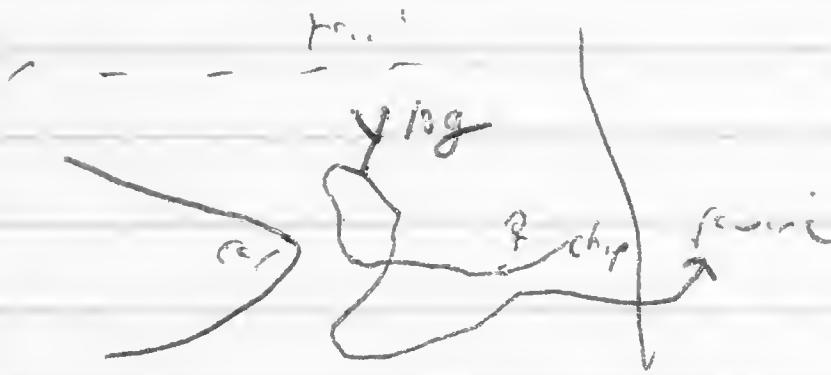
Spotted or territory 1 - on road up to second slope

saw ♂ + ♀ move through Oak (cropy) - ♂ occasionally gave 25' short song + ♀ chipped loudly. 35' a lot - both birds flew slow. - light  
♀ - 20+ lb gl, 20 feet away  
♂ (b kg) x 2' - - - ✓

♂ ~~at~~ 10:15 - ad. cock

✓

couldn't locate nest -



Set - 2 ft BBentucky

checked out slope below Horse trail -

hard streaks either at Blue Bird

Display - or for red (when I was

I had <sup>on</sup> May 14) - ♀ came

up chipping followed by ♂ - very

loud & persistent - so I checked -

within 5 mins, ♀ got on

nest - under a small lg

3 warblers + 2 catbird eggs

funny, included <sup>one</sup> 16 gl + 1, pre-eccl +

branch probe + 2, feet curled ~~shy~~ +

dead leaf probe (small) x 1 = 101

I went along slope below Blue tr. -

I saw a scoop under hard thick

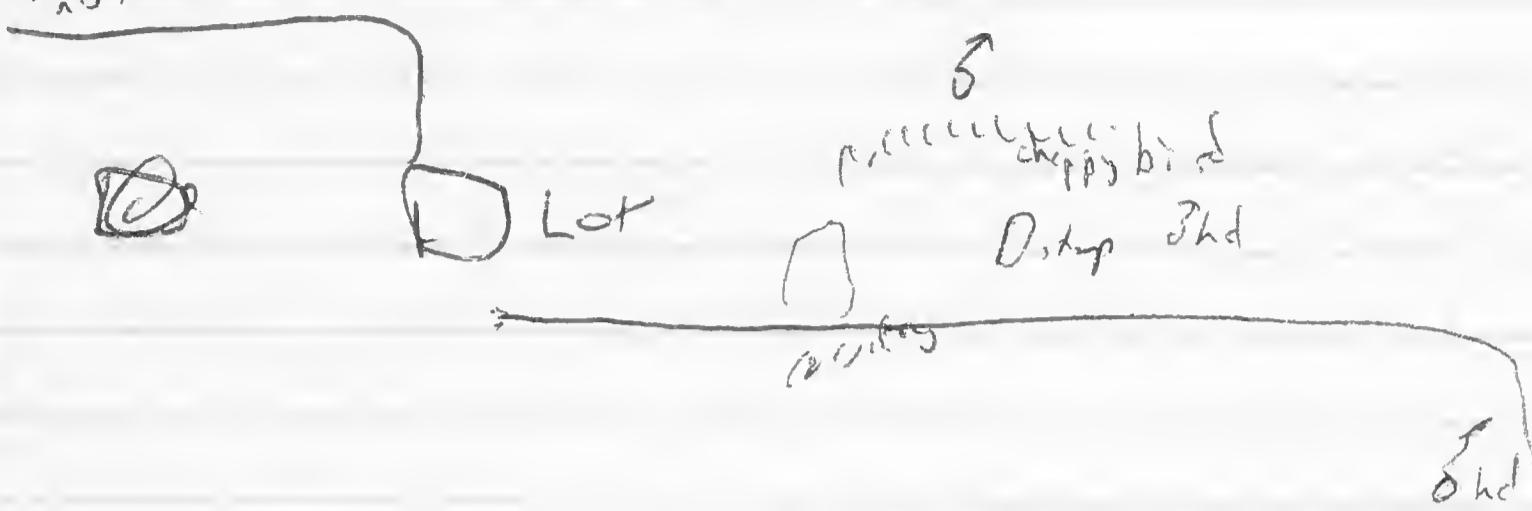
hairy material - expect nest? -

its a long shot + I had made

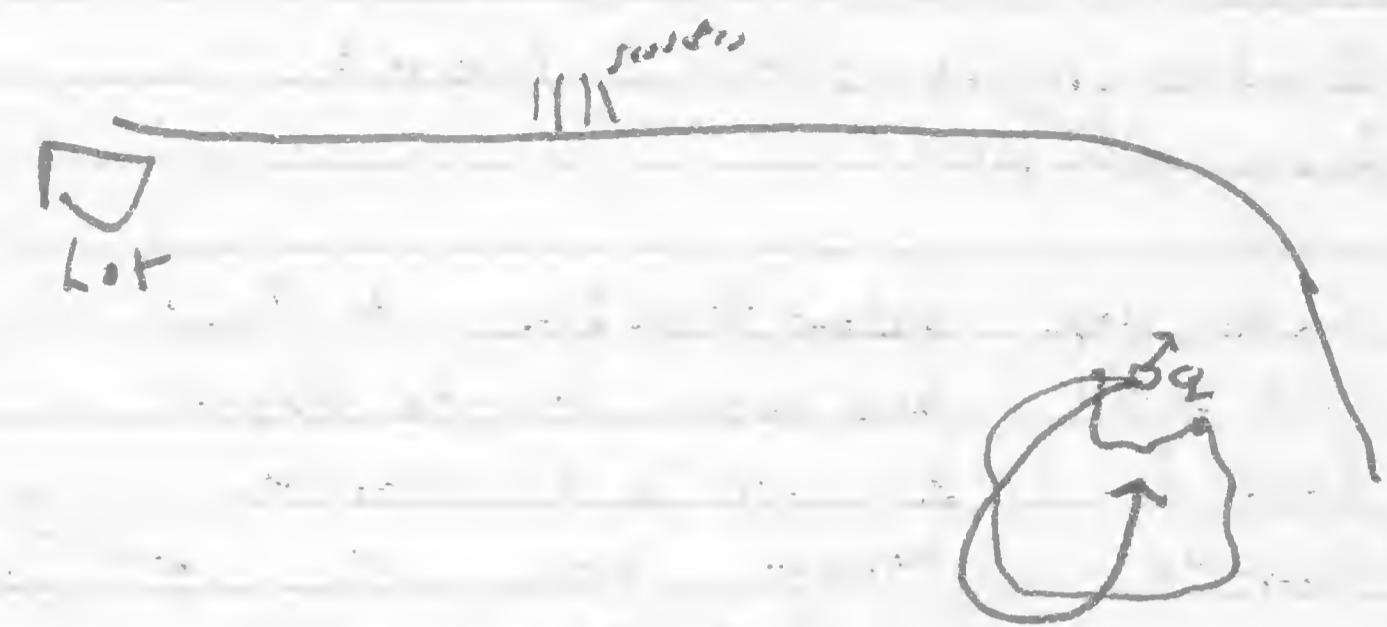
3700+ with no luck.

I had 2nd ♂ sing + nearby another  
bird chipped loudly - I went  
near ground in shrub layer or clear  
but - it continued to chip  
but moved away - bird on  
far slope was heard singing

first



May 21 9:30 - 4:30 ~~3a~~ 3a sunny calm temp 70°  
80°



♂ singing - dropped in to ground

Feed - 1b gleng. blackberry "

X 5 = 0.6 lb gl x 5. hysl  
+ July for flower x 3

♂ b - saw pr on this step for 1 hr

♂ singing - ♀ com. in + ♂ following

♀ (occurred PI, L, D, + one very)

♀ usually, low to ground, dropped a lot -

General behavior - no evidence of  
habits or anything else

♂ (catbird (R. b. b.) no (min, hay)) ✓

PL tree x 5 Jlex (crit. +)

PLug stem x 5

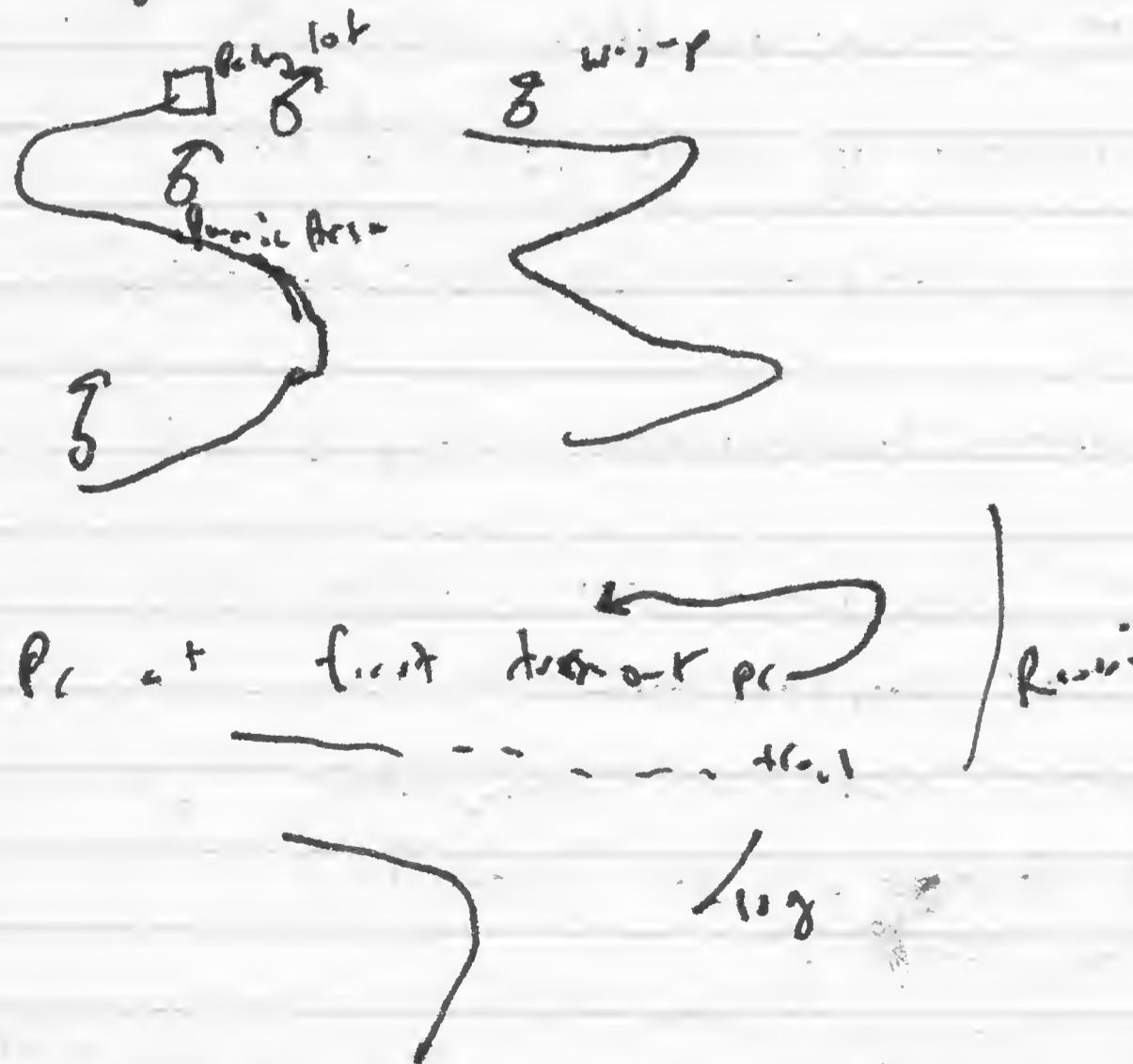
♀ dro. list on ground stem x 3  
Och ko. at center stem x 5 (j. + 2 b. on. Hs) →

Oak cluster in O.L. (20') <sup>hang</sup>  $\Theta$   
 Blackberry leafy glen 1' high x 1  
 branch from probe x 1

checked slope below Horse Trail + found  
 no birds - but nest located May 20  
 had 5 W.E.U. not 3 + 2 (sub. id.).

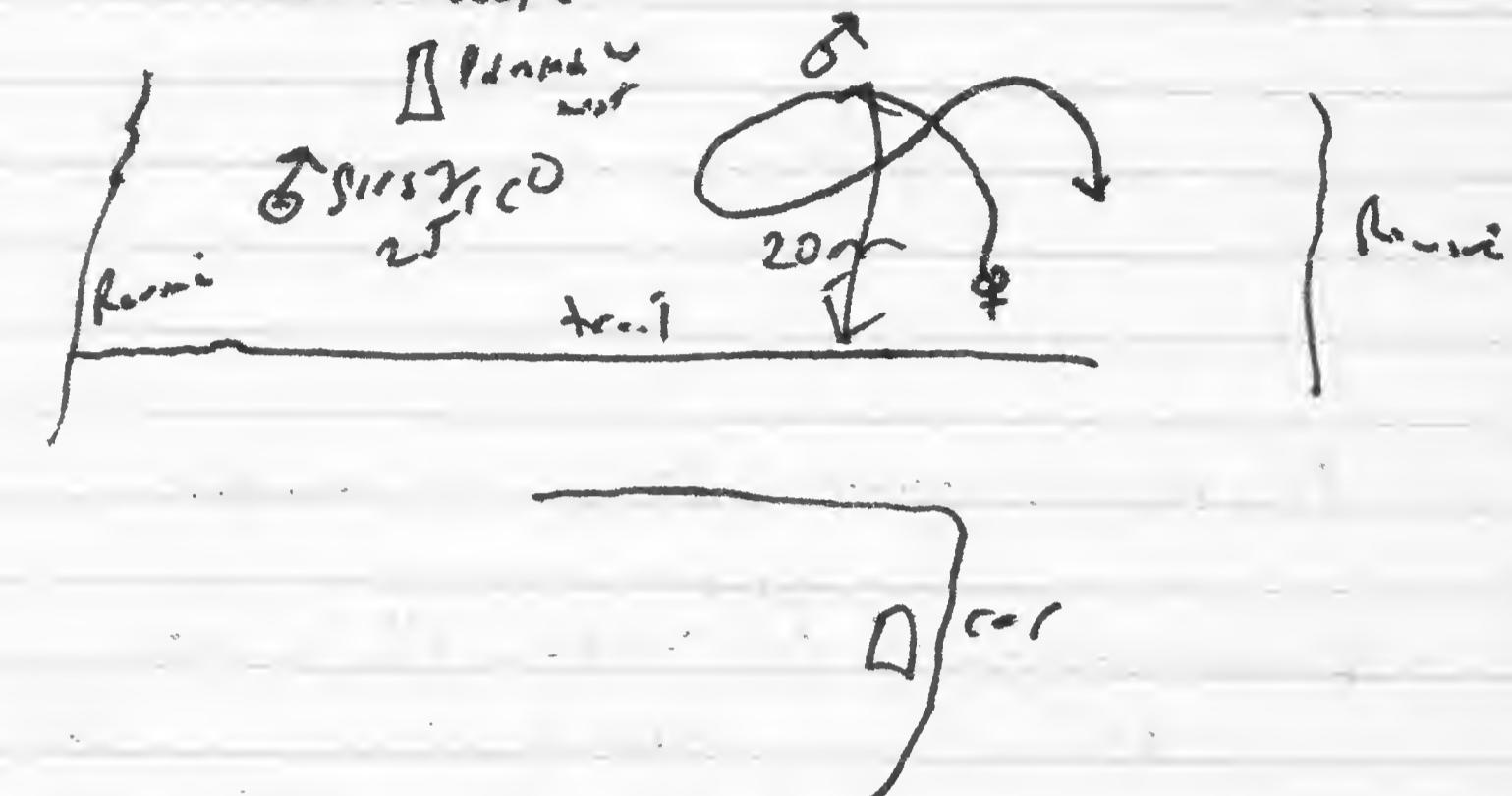
Went to buttress area + grabbed  
 saw pr ( $\Theta$ ?)  $\Theta$  15' Blackberry T-<sup>protruding</sup>  $\times 2$   
 of hair ground

$\Theta$  was 1b hairy (glen x 15' <sup>hang x 5</sup>) -  $\checkmark$   
 On way down glen I saw several  $\Theta$   
 Singing in new areas.



May 22 8:00-

First turnst:



watched for 90 minutes

$\Theta$  was on or near ground + marsh  
 Dead Oak leaf for  $\Theta$   $\times 25$   
 (O.L. glen  $\times 40$ , O.L. litter, + 10)  $\checkmark$   
 success at 1 (at (multiple))

hang at butt end  $\times 2$  (got pollen cultural)  
 If glen ( $\Theta$ ) = 1b glen blackberry  $\times 5$   
 (big on ground to pull + several  
 feed larvae).

$\Theta$  was 15' in surface  
 followed by hairy

A hand-drawn cross-section diagram of a soil profile. The vertical axis is labeled "Soil" at the top. The profile shows "Floc" (flocs) at the top, followed by "Sand" and "Clay" layers. A horizontal line at the bottom is labeled "Fertilizer".

May 25 9:00 - 400

I checked lower slope for 3h,  
- 1 stop

Process in water for 40 minutes.

9 new ground - <sup>seed</sup> Oak - red oak 51 x 20  
0-1' hawg x 5  
blackberry 16.51 x 5 (1)

5' C.0 1b/s 1x5  
1st and 2nd 1x2 (t) (2)

85-1000

for Hill - CO lateral lens x 10 (8++)  
CO left ~~as~~ gl x 5 | over  
Blocking lateral lens + probe x 2 | Hill.

Foraging - inside leaf  
of tree

g c b d e k  
f a t e n l

A hand-drawn graph on lined paper. It features a horizontal line at the top and a curve starting from the bottom left, curving upwards and to the right. The curve is labeled 'Cus' near its peak.

frak. pp. 2

♀ pabc flower br. b. at Arader x 5  
local hang x 3 +

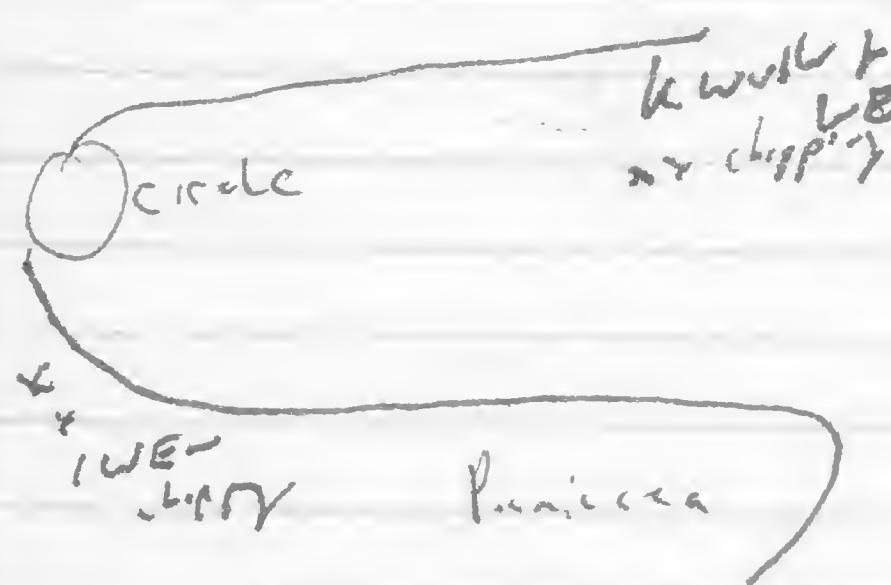
7 checked slope: - sin 8° 16.1 x 5  
height lateral x 16  
20'

15

Fig. 12. *3*

scrubbed slope below Prairie ground  
had some chipping

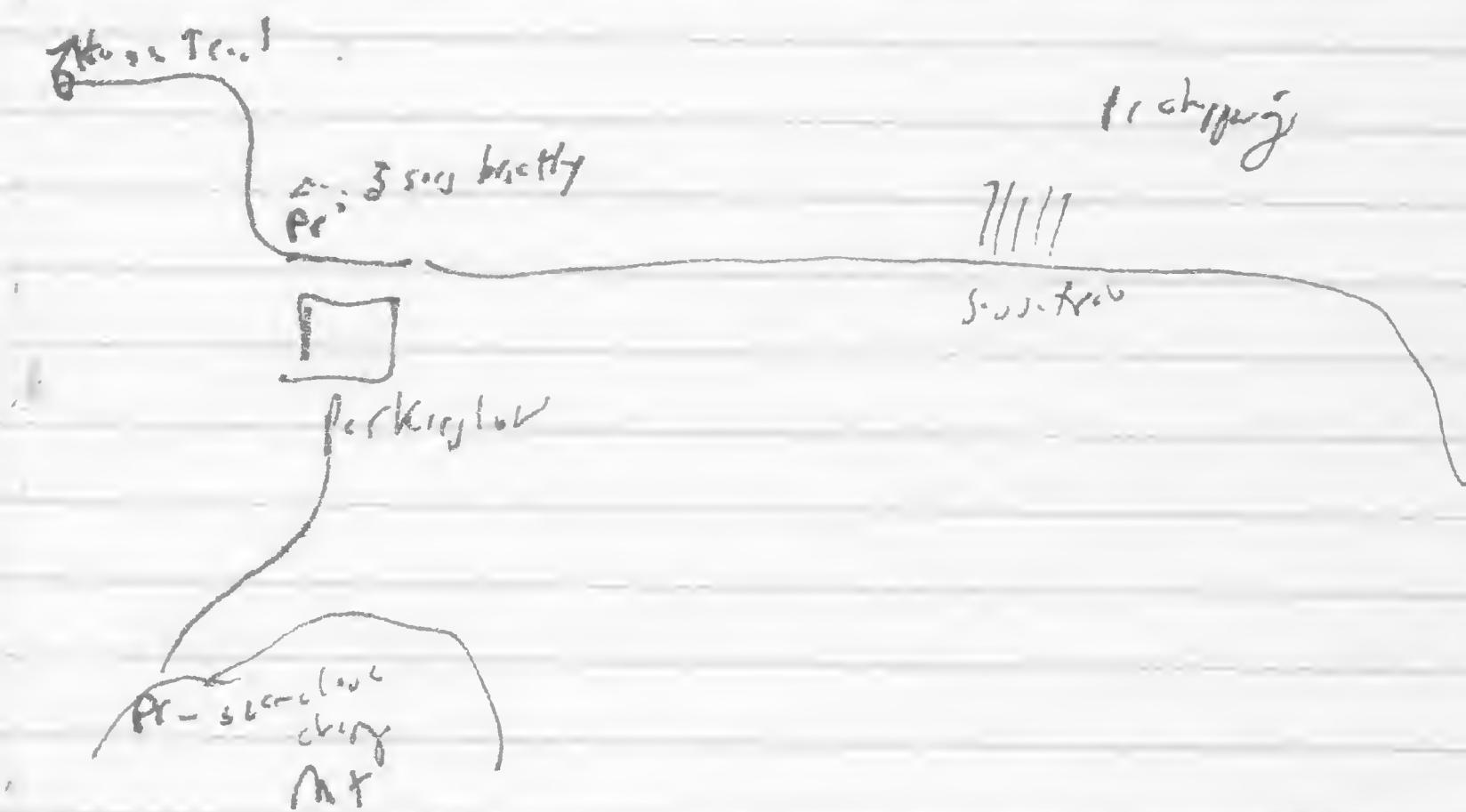
2 also chipping near Perkins Circle



May 25 1960 -

Pr 1 had chipping ♂ singing ✓

Pr 2. ♀? Dendritic probe x 3' f'  
blue tit lat head x 3' ++ ✓  
probe + gap e. under bark of oak branch



I checked lower slope below  
Perkins lot + found ♂ singing -  
+ ♀ on nest with 5 eggs still

26 May

With Leon & friend

Sunny warm - windy

5 ♀ Phragmites & 1 bark probe x 1 0-2

6 ♂ (folly q) around 10' x 3

16 hours x 1

✓  
✓

1. 8'

Wt. clean 20'

DL prob (5' o.h.)

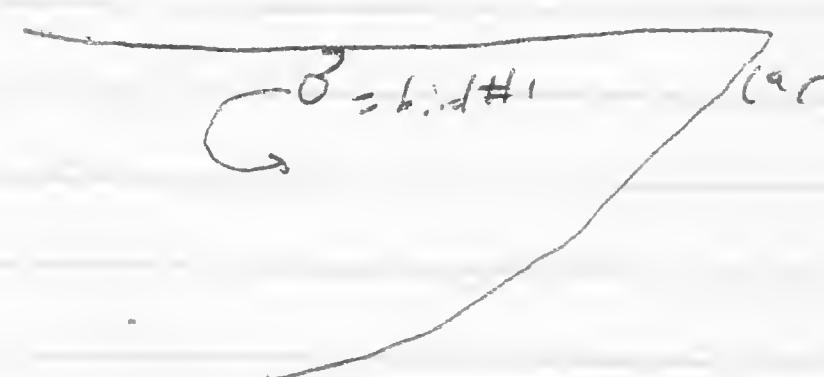
Phragm. leaflet

leaflet stem (2 1/2" catkin)

leaf and probe

✓

check lower slope in morning



2. 9' prime Arches flower bract 10' ✓  
leaf and probe

3 Black cherry leaf clean & 2 15' ✓

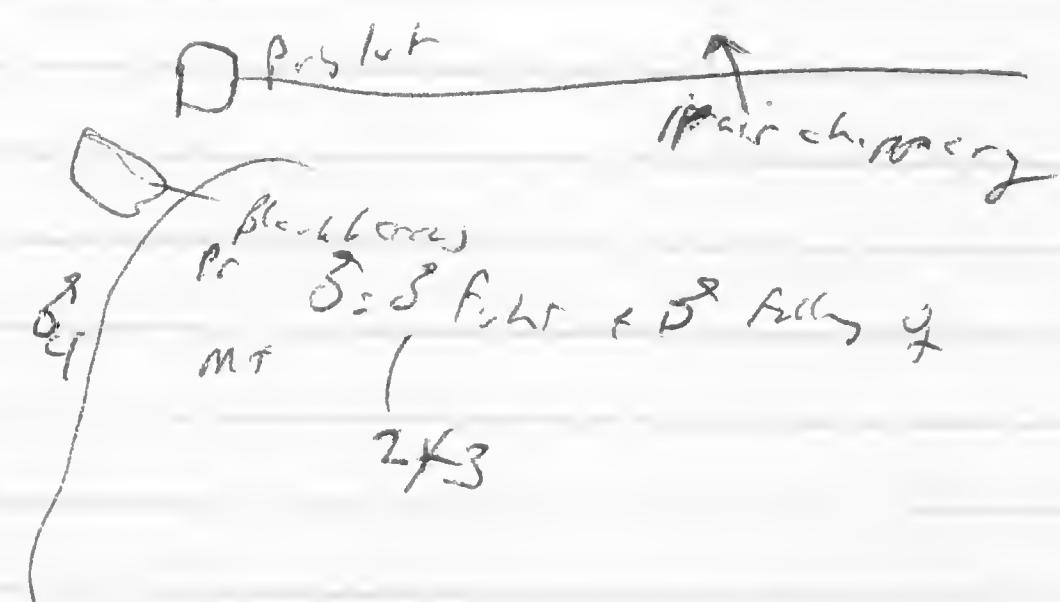
Wt. clean

upper slope in afternoon

Pr - P. guadal 2  
J+6

dead leaf (1" probe)

4 ♂ vegetation (1) 1bgl  
bark glen on trunk & branch 20' ✓

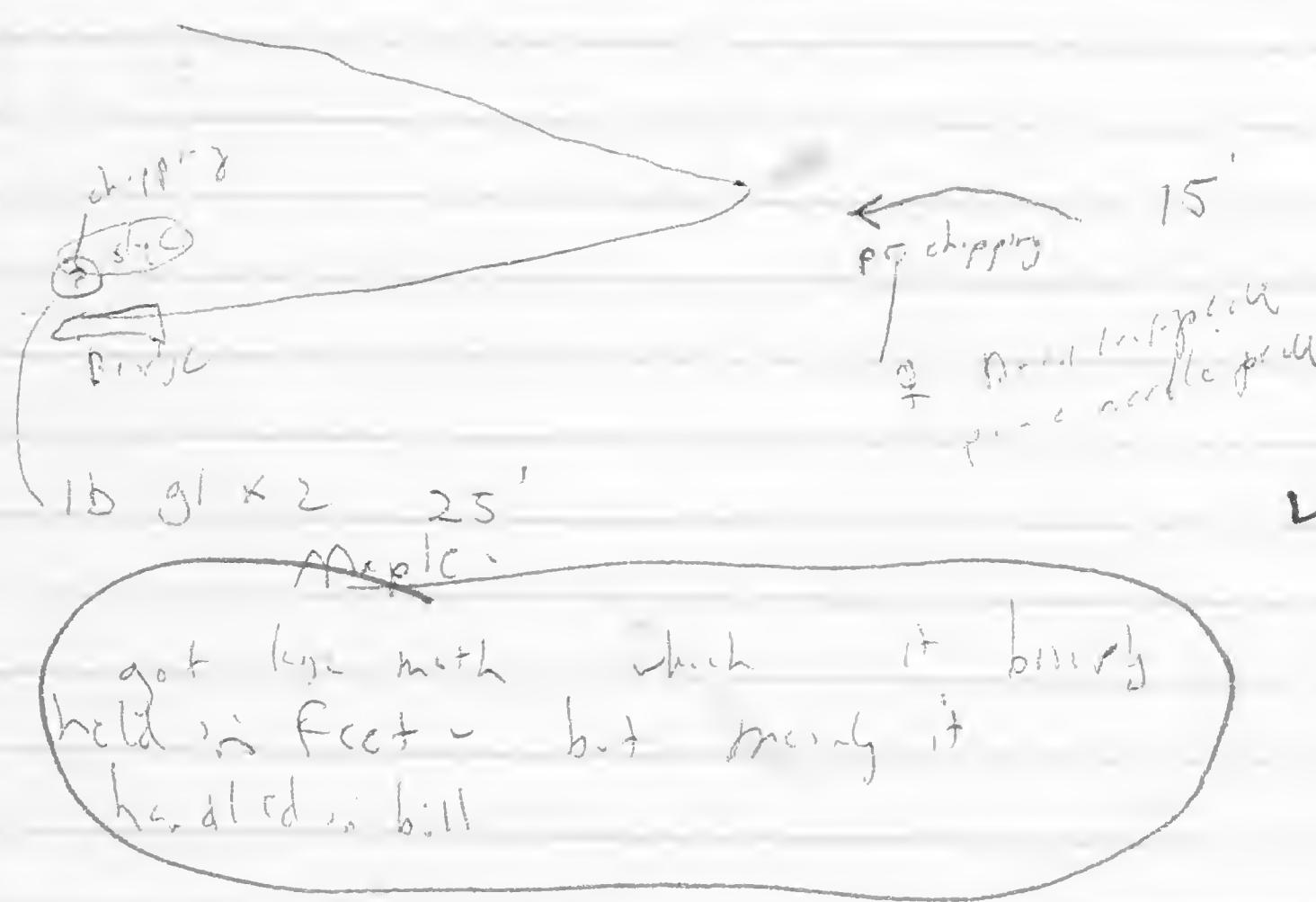


With Line

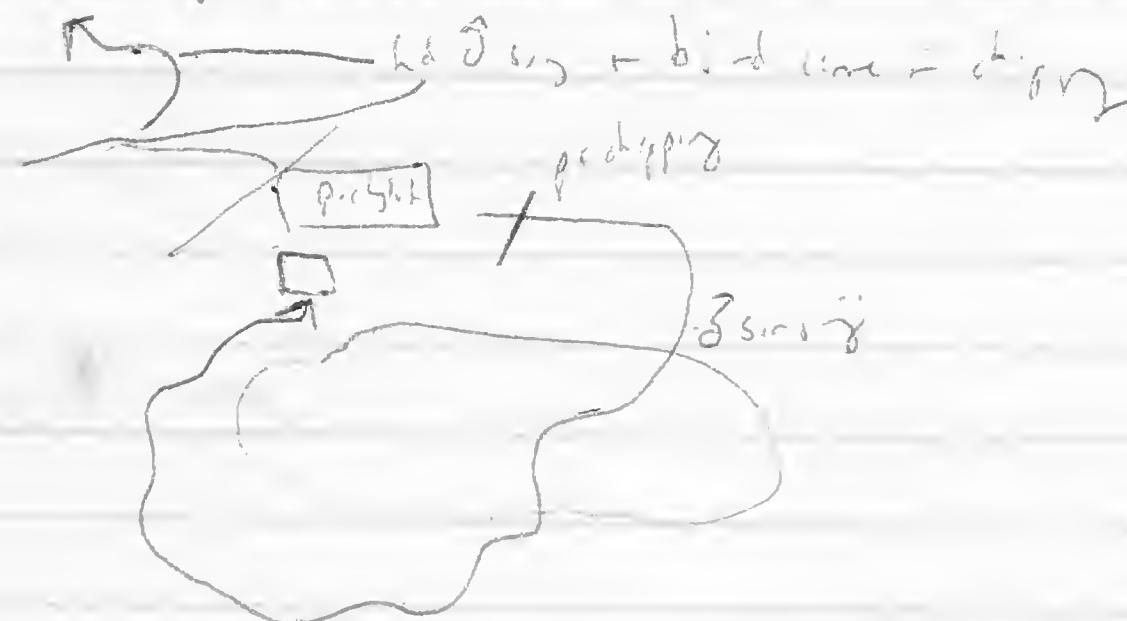
② 27 May Buccoo + early  
morning drizzle - 70s

nest below blue trail

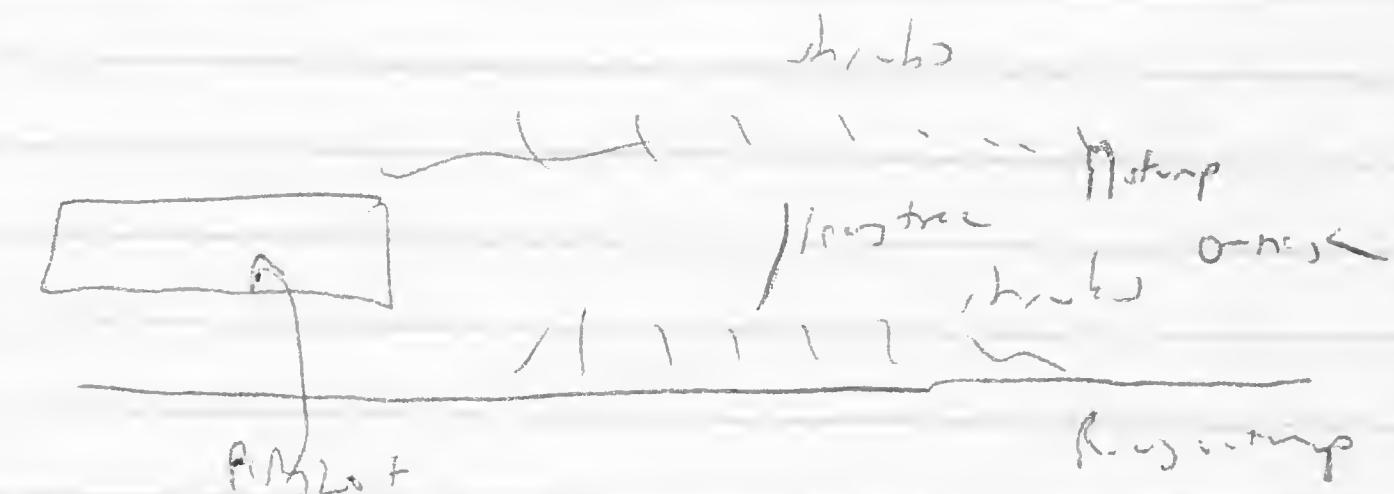
745-900 - lower slope



I checked top of Mountain



Line fund nearly completed



pair w/ in area (2 Ld 5 sing  
& another bird chick)

29 May (28 w/ hol. day) 1200-500

Nest with 5 eggs below Horse Trl.  
still has 5 eggs

I checked trl. below Bl. (Trl.)  
I saw ~~for~~ bird fly up from ground  
but didn't find nest.  
1d ♂ Sing once

In Deer thicket was singing  
of white tail 2 Ld. VEW chipping  
checked slope above power lot &  
found some cut - 3 lbs 10' in oak + 3 v.  
got moth

30 May 1230-500

checked lower slope near stone  
bridge + heard flushed war. off  
nest with 2 warbler eggs - nest  
was on slope not under semi-rotted  
blueberry plant

We checked Horse Trl. slope +  
found nothing

I checked slope below Pine -  
Gree + above circle +  
hd chipping at Henlock near  
circle - above that ♂ was  
singing alternate yrs - chip chip chip  
swit + swit - swit - chee chee  
chee - white fly in oak (1bgl x 2)  
laurel (oak older peren.) & oak - ✓  
1bgl + 1bLg - 4"

50 May Live inclusions

strike

1 3mm pith rib SW

2 -0

3 3mm lat. rib

4 2mm lat. rib

5 0

6 50

7 1mm pith rib

8 2

9 2

10 50

11 50 4mm pith rib sun

12 2

13 0

14 50

15 2

16 50

17 50

18 50

19 2

20 50

21 50

22 50

23 50

24 50 flooded with water

25 50

26 50

W<sup>-1</sup> pc

long

12 JV

13 JV

14 JV

15 JV

16 JV

17 JV

18 JV

19 JV

20 JV

1/4

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20 JV

2

May 29 Dead leaves

3mm opilionid

7mm weevil

6mm opilionid

- 3mm spider

7mm spider + 100

7mm opilionid

- 4mm spider

1/3

31 May

checked lower slope by turn-out  
of Lava flow nest with 7 m. b.  
& 2 - bird eggs.

checked nest area for birds -  
still to C. B. W. & empty  
nest near upper plateau w.  
still empty

June 1 (130-530)

Worked low slope below  
white tail hd roosting!

June 3 (230-530)

I checked nests at 930  
with help - lowest nest with  
cowbirds had 9 (1 cold CB egg).

2nd nest had 2 (1 1/2-2) dy old eggs  
& 2 cubbird babies which I offset.

Final nest had 1 cubbird 15 min.

Empty nest was collected later by Linn.

a) Afternoon I worked slope  
below blue tail (1d search 10s)  
at far end)

Per slope above white tail (3 sig  
birds, hd 4? ch p)

b) Gru at beginning of little  
tail.

Linn saw excited ♀ near  
Mallard duck nest below  
white tail

111  
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4 June 1968 (continued)

1 50

2 00 3 am sp. db

3 00 4 am mi. 1.5 ft

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3 am sp. db

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6 June - 5 miles N. 1130 A.M.  
ditch line all the way where

located digging on bank  
to dark leaf + rock  
for rock 200' - 1 mile away  
Saw 5+ birds 5+ were blue  
g. b. x 2 + 100' away ✓  
21 mi

6 June west end Mary's Bay 1720

	shape	time
11 a.	150	150
1:50	0	50
1:00	1	30
1:00	1	40
1:00	1	50
1:50	1	50
2:00	1	50
2:00	1	50
2:00	1	50
2:00	1	50

I then checked slope above  
blueberry thicket & bushy M. 3  
0 sing + went below path lot  
in dense leaf + lowathy -  
I found a thrush around  
host of lot of blue + blue tail  
with the big shrub.

Below path - slope to  
for dense bush (20') full bloom 5 mi  
in leaf. Obs. 22, however ✓ 12:00  
green pine + other ground.

	time	time
0:00	10	10
1:00	10	10
1:00	10	10
1:00	10	10
1:00	10	10
1:00	10	10
1:00	10	10
1:00	10	10

↓  
21:50 10 mi  
22:00 10 mi  
22:30 10 mi  
23:00 10 mi  
23:30 10 mi  
24:00 10 mi  
24:30 10 mi  
25:00 10 mi  
25:30 10 mi  
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26:30 10 mi

8 June - 1st count

1 00  
 2 00  
 3 80  
 4 00 ~~Immature~~ 100  
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 6 00  
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 9 00 ~~Immature~~ 300 with  
 10 00  
 11 80 ~~Immature~~ 100 with  
 12 00  
 13 00 ~~Immature~~ 700  
 14 00 ~~Immature~~ 100  
 15 00 ~~Immature~~ 100  
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June 9

120-100

Wet meadow with

WV 100-110 m

but 110-120

ca 100

as a slope

Deer tracks

3 sets of tracks - 1 white tail

1 pair of tracks of  
1 chick - 100-110 m  
but 110-120  
ca 100

2 more 3 following her &  
1 chick - 100-110 m  
but 110-120

1 another 100-110 m  
but 110-120

Today was cloudy. Hot  
I check nest with 2 eggs  
one stripe below white tail -  
one solid egg - one had a hole  
the other was solid - I cracked  
them - there was no sign of  
an embryo - just yolk!

I checked nest I found  
as slope below poly lot - empty  
I found another old nest  
on this slope - I did see  
a very small & 9 in bird skins  
100-110

Wet meadow

as a slope

5 sets of tracks - 1 white tail

but 110-120

ca 100

June 7 Dark lot (cont'd)

lem. el. t. t.

3 mm spider

1/4

June 7-9 Dark lot (cont'd)

lem. el. t. t.

4 mm spider

lem. spider

4 mm spider

3 mm spider

3 mm humop

1/4

June 9 (cont'd)

For other birds seen see previous

page

3 mm spider

lot

+ July

26 NO

8/4

June 5

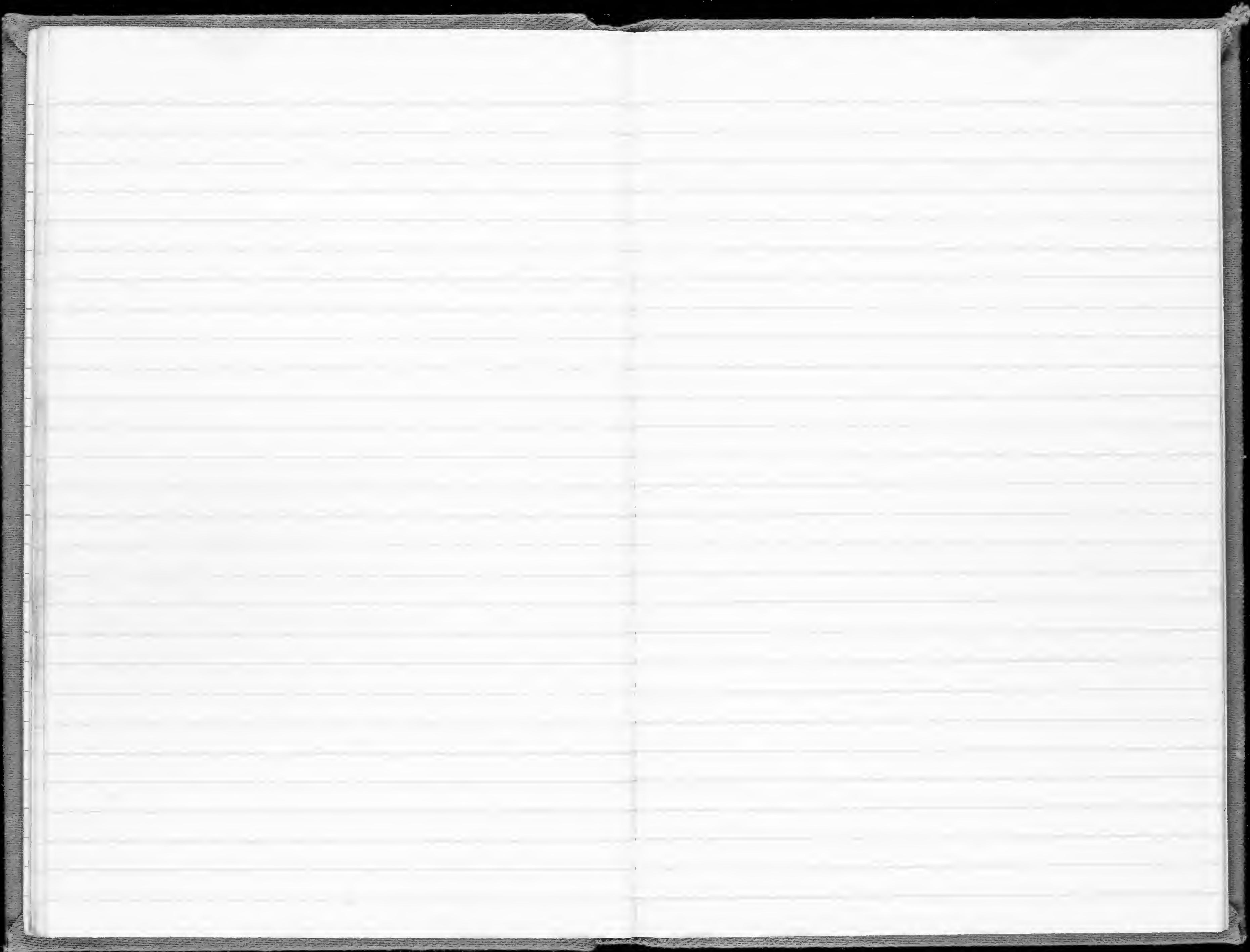
1/1

1.1 mm t. t.

7 dove (out of order) 1130-4/20

checked lower slopes - had  
little movement. The checked  
type below white tail -  
3 were singing in Section  
Saw him (red tail) 1130-4/20 ✓

No babies yet!



June 11

1968 (120)

I should have done better

but I got to the top of the

ridge and had to turn

to the left, & then followed

the ridge down slope

I went down but at Mt. Four

the ridge took a turn &

now off to the left, I followed a

ridge & I followed with

myself & the Q as on the

ridge. Mt. Four was to the

right & I went down

the ridge & then down to

a trail, went down to

the prairie & then went

down to a valley & then

up the valley & then up

the ridge & followed west

the ridge & then went

down slope.

June 12

1030-1200

Went with bone & pin to  
see where to find lots  
of chirping - got bird but  
not in where Blue tail

Chirping starling  
Chirping bird - been spotted  
Singing flycatcher in the willow  
Wren in right.

Learned to look at the  
nest and see where the bird feeds  
pin lot with willow &  
feed nest with 2 just hatched  
birds - one egg & a cracked egg  
So I set 3 1 day old flycatchers  
Not in under oak sapling

June 13 - 1200

June 14 1620-1330

checked nest on slope

obs eggs took 3 took 1 baby

blackish 2 cross 3 yellow

1 egg

but more white about

short slope below poly lot - node

then checked slope at end of

row 2nd

steeped slope

free hand white 3<sup>rd</sup> largest

1/4" Clark 100<sup>th</sup> p. (in hand)

darkish 3rd white 4<sup>th</sup> p. (in hand)

most dark 4<sup>th</sup> p.

turn up with four

pair of 1-2-3-4

free situation

nesting place - 1

poly. bird - to

so same though

June 15 1620-1330

2 checked slope below 4th

concrete were developed in a way

but no more than 100' - so far

better with old flagstone - 3' p. on

→ lot downed (now) about 20'

then checked slope about same

so same - same with old flagstone

I went to area at hand

when Mackey I showed nest

better flagstone nest with 3 eggs

under ~~old~~ <sup>old</sup> flagstone

I checked 4th slope

concrete 2 foot 3 ft 4 ft

probably built on a new

short slope clay with flagstone

below the 4 with 3 eggs

2 flagstone nests

2 nests in 4th by

old flag

6 single bird nests

poly. lot

June 16 - W.R.L. Torre, Lincoln

Dear  
Cloudy & breezy

I checked 3 extant nests

1) at base of slope frag marsh road  
under level - 3 wibbler eggs

1 (cubibbler)  
(2 d., old wibbler) →

Take across Blue trail perimeter  
in clippings to cherry at S. T. corner  
of

1) - Level 1b, 1st yr, flower patch - 2 ✓  
brick feeding (switch l. h. Brewster)

base found 2 new (4 day old) fledglings (one  
"to cubibbler")

2) in sunken slope - 3 eggs

3) under log by Horse Trail -  
1 egg

I put mouthfuls by all 3 nests

I wished slope to be partly lot -

halfway down slope & sun per  
in level (5 1/2 ft, flower patch)  
q " " ✓

17-25 June.

I failed to keep accurate notes on a daily basis during this period. I spent 3 hrs/day on 18, 19, 21, 22 & 24.

During this period the nest with 3 cowbird & 3 warbler eggs failed to hatch more than the warbler. I looked at the eggs on the 22nd and found them without any sign of development or fertilization.

The less first along Horse trail was observed on the 18 or 19<sup>th</sup>, & I checked <sup>it</sup> on the 22 & found it to also be underdeveloped so that 7/17 eggs found this year were known to be unfertilized.

I saw the following first behavior:

Slope near Barn with 3-0-4 15' 16, ✓

pr on slope or base of red trail - several days after nest-build. observed I saw pr together - low in underbrush - they stayed near me for 5-10 minutes - ♂ ibgl in brush x 17 ✓  
brush x 3 ✓  
♀ ibgl in brush x 20. ↑  
both 1-3' off ground 12

I watched pair on lowest slope also, rd - also close & close to ground 3 15' 16, 0-4 ✓  
then

♂-♀ 16 green 0-6 1-4, ✓  
x 20

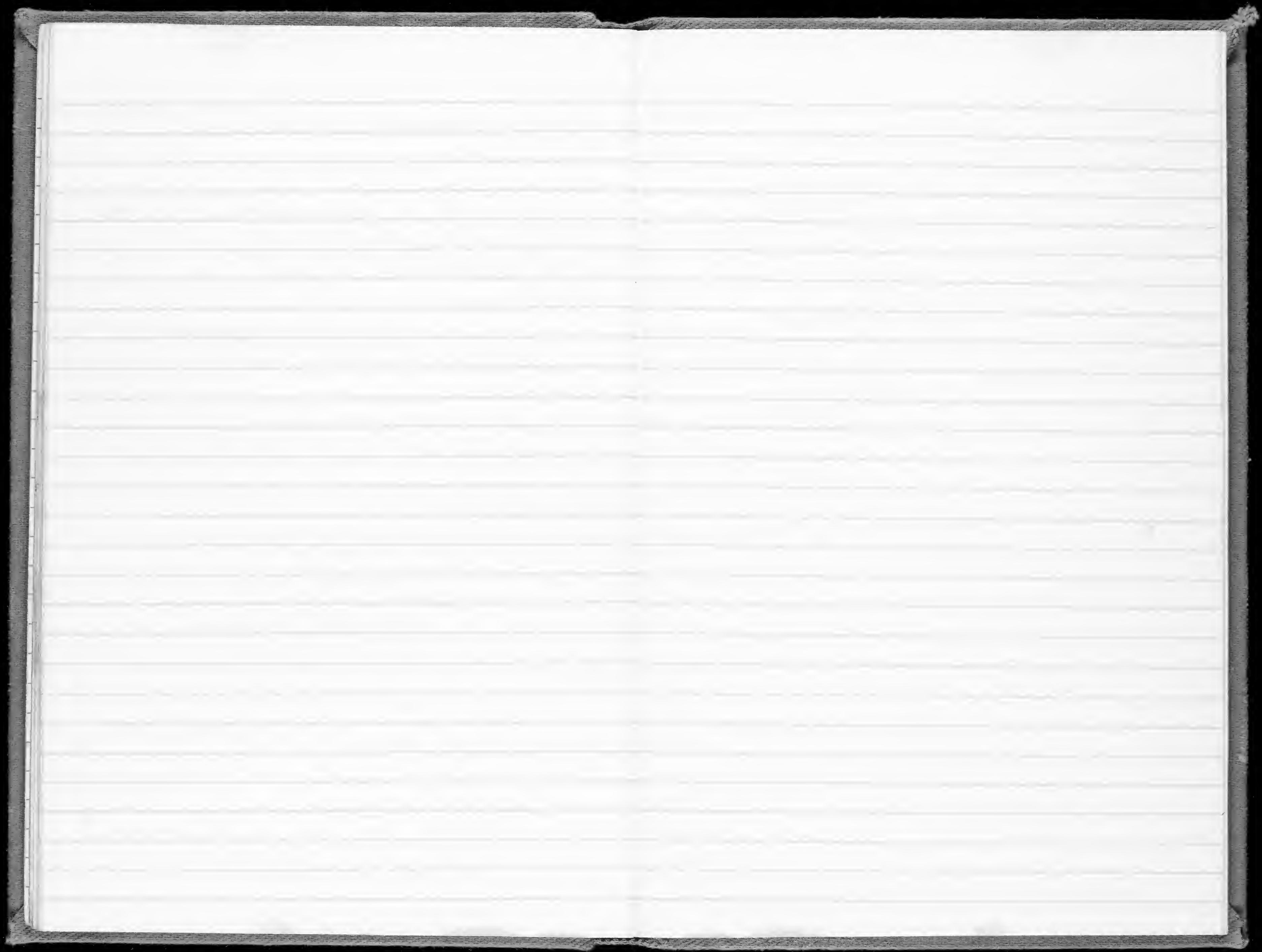
I checked slope below Blue trail

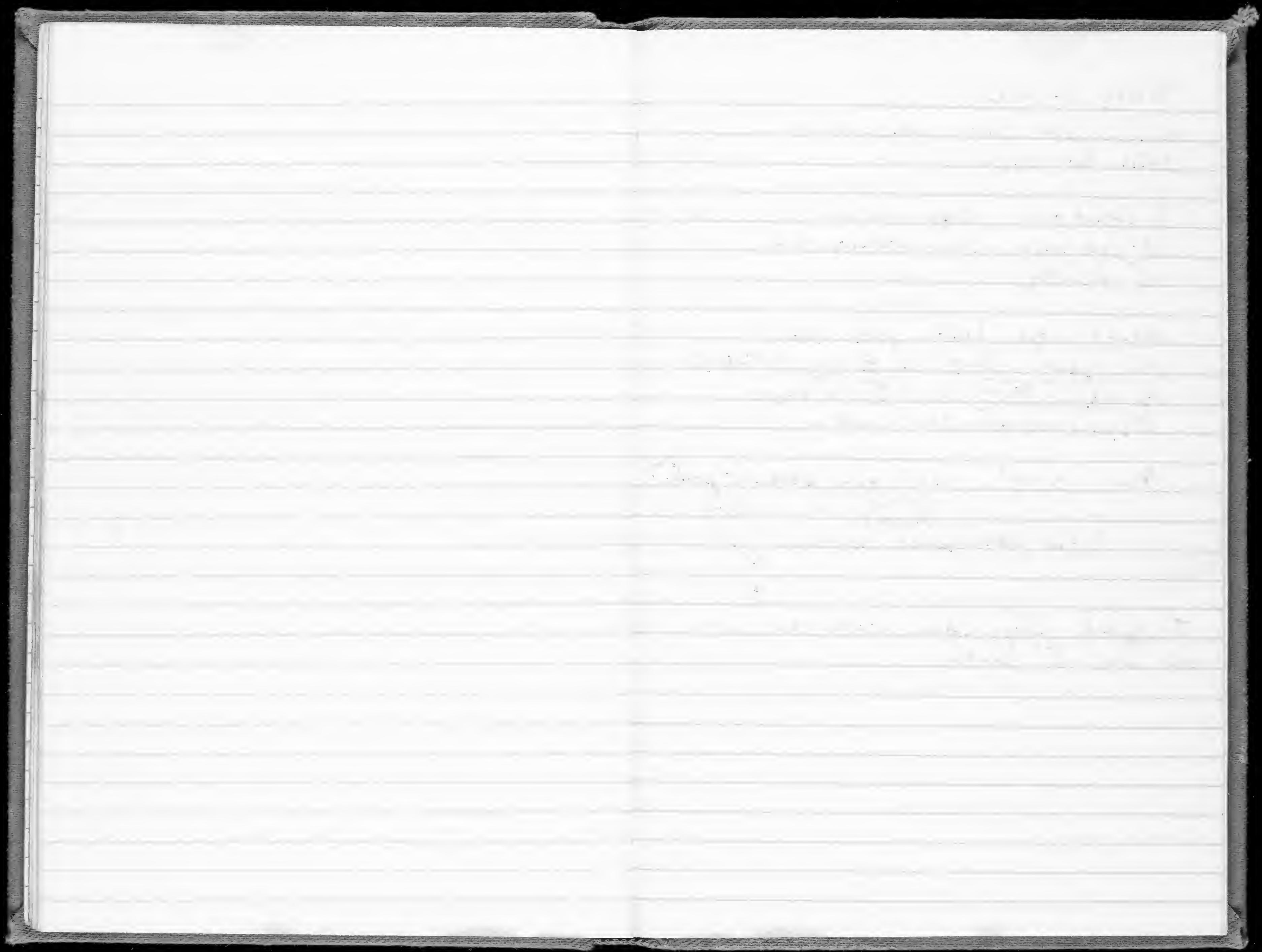
on two days - had several

3♂ seen c 15.

little chopping except in one place.

Site on an olive slope I  
found an abandoned nest under  
Blackberry.





Tuesday 26 June

checked nest below white tr. I -  
still two eggs.

I looked over slope at base  
of red tr. I - saw nothing but  
3 bush-tits.

checked slope below p. b 10'  
saw pair ~~pair~~ <sup>two</sup> - ~~flit. fly~~ (= 8-10  
~~days old~~ ~~LEU~~ - brush line  
flit. insect of some sort -

low - 0-5' bushy tree down (or <sup>fallen</sup> tree),  
~~old/immature~~ (10')  
16st in Azotekuan (x 5). ✓

I checked slope above circle +  
saw + heard 5 bush-tits

Thursday

June 28

1030-130

checked nest in Sassafras stand  
below white tr. I - 2 10+10 day  
old nestlings + a cowbird nestling -  
apparently the lesser warbler is, was  
really a cowbird egg - + dealt  
with the cowbird.

I briefly watched slope at  
beginning, at red tr. I - saw nothing.  
At base of white tr. I 25'  
success, for a long period  
+ 1 saw 1 S flyby 0-10' up

✓ Oak-16st x 20  
branch st x 2

One lat. data check x 5 (Cherry) no success.

I walked over area behind pug 10'  
with no success.

I made 2 decalat collections

7/2/84

line lot (cont.)

upper parking lot

1	Shrub	10.00
2	00	1.50
3	00	2.00
4	00	3.00
5	00	4.00 3mm sp. w/ b
6	00	7.00
7	00	7.00 1mm sp. dark 1b
8	00	8.00 2cm blackberry
9	00	9.00
10	00	10.00 1cm br. leafy shr.
11	00	11.00 1cm br. scraggy spiky 1b
12	00	12.00 4mm br. spiky 1b
13	00	13.00 1cm br. spiky 1b
14	00	14.00 2cm br. 2+ hig. pillars 1b
15	00	15.00 1cm br. 2+ hig. pillars 1b
16	00	16.00 1cm br. 2+ hig. pillars 1b
17	00	17.00 1cm br. leafy shr. 1b
18	00	18.00
19	00	19.00 2+ 3mm sp. w/ b
20	00	20.00 3mm scraggy
21	00	21.00 1.5cm spiky w/ b
22	00	22.00 3mm br. spiky 1b
23	00	23.00

24 25 - spherical

25 00

26 80

27 82

28 80

29 00 3x 3mm loops

30 00 7mm sc. right 1b

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July Dead leaf Sample # 1

collect 7/1

7mm lady beetle

5mm moth

7mm weevil (br)

5mm beetle (br)

7mm weevil

5mm moth

4mm spider

3mm green

green beetle

7mm weevil

7mm weevil

5mm moth

0/5

Sample 2 7/1/81

5mm beetle br  
3mm weevils  
2.5" "

" "

5mm beetle

July 13 1100-

1 70<sup>dr</sup> live larvae

2 50

3 50

4 80 3mm beetle

5 50

6 50

7 80 3mm aphid

8 50 3mm beetle

9 ~~50~~ 50

10 50

11 50

12 50 3mm beetle

13 80 24 3mm aphid 1t

14 50

15 80 1.5cm caterpillar 1b

16 50

17 ~~50~~ 50 1cm br. honey 1b

18 50

19 50 ~~50~~ 50 1cm br. honey 1b

20 50 7mm spore 1t

21 50 1cm beetle br 1t

22 50 4mm beetle 1b

23 50 3cm thick gr plus 1b

24 50 3mm beet

25 50 1cm gr. caterpillar 1b

100 100 green honey 1b

2 50 2cm br. pillars

4 80 3mm pillars 1b

17 50 2cm spore 1b

6 50 1cm long 1b

7 50 1cm gr. caterpillar 1b

10 50 3cm skin 1b

11 80 1cm pillars 1b

12 50 1cm pillars 1b

13 80 1cm gr. caterpillar 1b

14 50 1cm gr. caterpillar 1b

15 50 1cm gr. caterpillar 1b

16 50 1cm gr. caterpillar 1b

17 50 1cm gr. caterpillar 1b

26 ~~bark but 1b~~ - ~~transversal to~~  
 27 ~~Timber cut~~ (1.2 cm diameter 13)  
 28 ~~Timber but 1b~~  
 29 ~~bark green pith (+b.-) 1b~~  
 30 ~~Timber cut 1b, (on green bark 1b)~~

J-1, 13

Line ~~short~~ simple 2  
 1 ~~bark~~ ~~homop~~ 1-  
 2 00 00  
 3 ~~bark~~ ~~homop~~ 1b 00  
 4 00 8 mm thick p. l. 1b + 00  
 5 ~~00~~ ~~00~~ ~~Timber green but, ad~~ 1b 00  
 6 00 ~~Transversal~~ 1b 00  
 7 6 mm ~~specie~~ 1b 00  
 8 00 ~~ectig~~ 1b 00  
 9 00 1b 00  
 10 ~~bark~~ 1b 00  
 11 ~~Timber~~ 1b 00  
 12 4 mm violet ~~bark~~ 00  
 13 ~~bark~~ ~~thin~~ ~~p. l.~~ 1b 00  
 14 00 00  
 15 00  
 16 ~~Timber~~ 1b 00  
 17 00 00  
 18 00  
 19 00  
 20 ~~bark~~ 1b 00  
 21 ~~00~~ ~~bark~~ 1b 00  
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14 July Dead leaves

1 #

7 mm leaf beetle

1.5 cm pillar

7 mm larva

7 mm leaf beetle

Immatured

7 mm leaf beetle

3 mm bug

1 cm caterpillar

4 mm beetle

3 mm beetle

1 cm larva

7 mm nymph

4/4

2

3 mm beetle

4 mm spider

1.5 cm grub

1.2 cm caterpillar

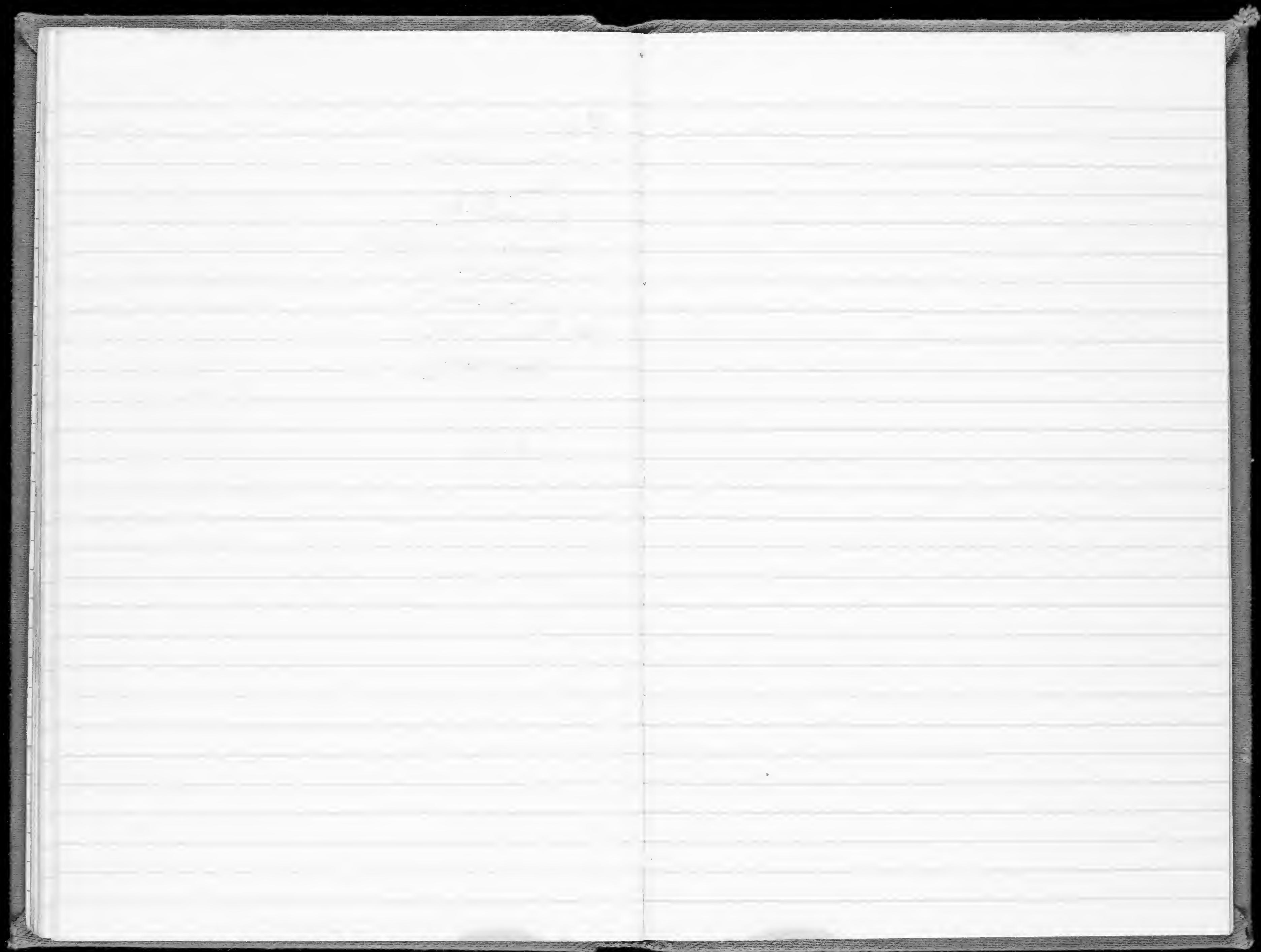
7 mm larva

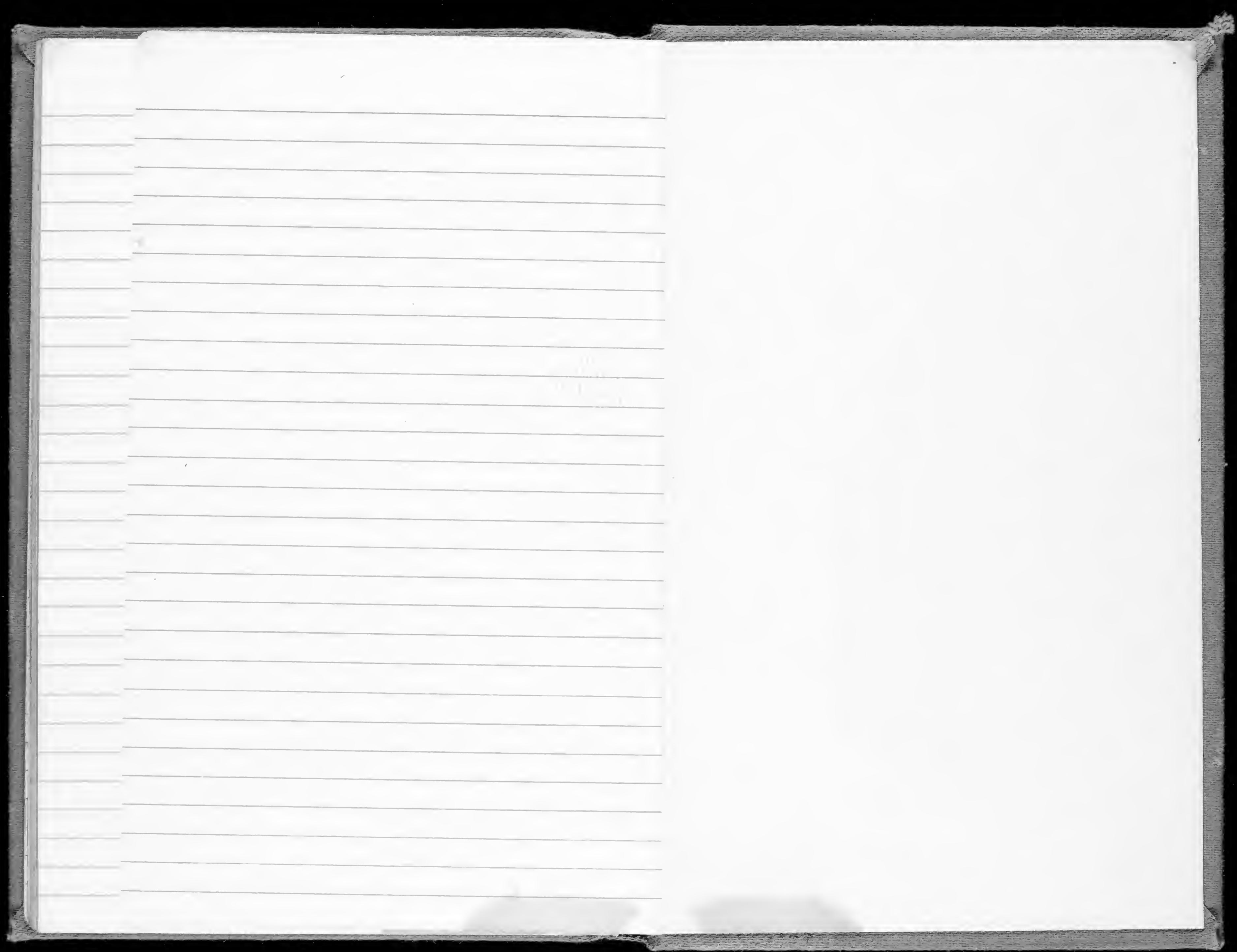
7 mm beetle

2 cm caterpillar

4 mm spider

2/4





May Dead Leaves

8, 10-11

1 10

0 11

1 4

0 3

200 500

May Live Leaves

10 40

5 13

June 1 23 41

Live

1 4

0 8

0 7

2 11

Dead

1 4

1 1

1 3

1 1

July 8 16 0 5  
16 18 0 0  
11 17 2 4  
— — 4 4

